

AUTHOR INDEX

- Aaden, A.S., *see* Cristofori, F. et al.
- Ahmed Jumale, M., *see* Bono, G. et al.
- Albihn, A., Gustafsson, H., Rodriguez-Martinez, H. and Larsson, K. (Uppsala, Sweden)
Development of day 7 bovine demi-embryos transferred into virgin and repeat-breeder
heifers 161
- Aria, G., *see* Cristofori, F. et al.
- Ashizawa, K., Masazumi, S. and Okauchi, K. (Miyazaki, Japan)
Stimulation of the motility and oxygen consumption of fowl spermatozoa by bicarbonate
at 40°C 301
- Ashworth, C.J., Wilmut, I. and Sales, D.I. (Roslin, Great Britain)
Effect of the stage of the oestrous cycle and the frequency of sample collection on the
composition of ovine uterine fluids 213
- Bassinga, A., *see* Chicoteau, P. et al.
- Bergfelt, D.R., Pierson, R.A. and Ginther, O.J. (Madison, WI, U.S.A.)
Resurgence of the primary corpus luteum during pregnancy in the mare 261
- Bird, J.M. and Houghton, J.A. (Galway, Ireland)
Fertilization of zona-free hamster ova by ionophore-treated boar sperm and the
condensation of sperm chromosomes 125
- Bono, G. (Udine, Italy), Moallin Dahir, A. (Mogadishu, Somalia), Comin, A. (Udine,
Italy) and Ahmed Jumale, M. (Mogadishu, Somalia)
Plasma LH, corticoid and sex steroid variations in camels (*Camelus dromedarius*) in
relation to seasonal climatic changes 101
- Bravo, P.W. (Davis, CA, U.S.A.) and Sumar, J. (Lima, Peru)
Laparoscopic examination of the ovarian activity in alpacas 271
- Brown-Woodman, P.D.C. (Lidcombe, N.S.W., Australia), White, I.G. and Ridley, D.D.
(Sydney, N.S.W., Australia)
Comparison of α -chlorohydrin and two aromatic ketal analogues as antifertility agents
in male rats 141
- Callegari, S., *see* Cristofori, F. et al.
- Cantley, T.C., *see* Flowers, B. et al.
- Celeux, G., *see* Yenikoye, A. et al.
- Chicoteau, P., Mamboe, E., Cloe, C. and Bassinga, A. (Bobo-Dioulasso, Burkina Faso)
Oestrous behaviour of Baoule cows (*Bos taurus*) in Burkina Faso 153
- Ciereszko, R., Dusza, L., Okrasa, S., Kotwica, G. (Osztyń, Poland) and Tilton, J.E. (Fargo,
ND, U.S.A.)
Endocrine changes associated with spontaneous luteolysis in sows. II. Temporal
relationships among the concentrations of A₄, T, E₁ and E₂ measured in utero-
ovarian vein plasma 53
- Clarke, I.J., *see* Wright, P.J. et al.
- Cloe, C., *see* Chicoteau, P. et al.
- Comin, A., *see* Bono, G. et al.
- Cristofori, F., Aria, G., Vincenti, L., Callegari, S. (Torino, Italy), Aaden, A.S. and Gheddi,
A.M. (Mogadishu, Somalia)
Mating-dependent endocrinological variations in female *Camelus dromedarius* 73
- Das, D., *see* Dodson, S.E. et al.
- Dawuda, P.M., Eduvie, L.O., Esievo, K.A.N. and Molokwu, E.C.I. (Zaria, Nigeria)
Silent oestrus manifestation in Nigerian Bunaji Zebu cows 79

- Day, B.N., *see* Flowers, B. et al.
- De Saedeleer, V., Wechsung, E. and Houvenaghel, A. (Antwerp, Belgium)
 Influence of substance P on myoelectrical activity of the infundibulum, uterus and vagina in the conscious domestic hen 283
 Influence of substance P on in vitro motility of the oviduct and intestine in the domestic hen 293
- Dodson, S.E., McLeod, B.J., Haresign, W., Peters, A.R., Lamming, G.E. and Das, D. (Loughborough, Great Britain)
 Ovarian control of gonadotrophin secretion in the prepubertal heifer 1
- Dusza, L., *see* Ciereszko, R. et al.
- Eduvie, L.O., *see* Dawuda, P.M. et al.
- Engel, B., *see* Nasir Hussain Shah, S. et al., pp. 25, 177
- Esievo, K.A.N., *see* Dawuda, P.M. et al.
- Fabre-Nys, C.J. and Venier, G. (Monnaie, France)
 Quantitative analysis of oestrous behaviour through the breeding season in two breeds of sheep 37
- Flowers, B., Martin, M.J., Cantley, T.C. and Day, B.N. (Columbia, MO, U.S.A.)
 The effect of pregnant mare serum gonadotropin on follicle stimulating hormone and estradiol secretion in the prepuberal gilt 93
- Geytenbeek, P.E., *see* Wright, P.J. et al.
- Gheddi, A.M., *see* Cristofori, F. et al.
- Ginther, O.J., *see* Bergfelt, D.R. et al.; Townson, D.H. and Ginther, O.J.
- Gonzalez, R., Orgeur, P., Poindron, P. and Signoret, J.P. (Nouzilly, France)
 Seasonal variation in LH and testosterone responses of rams following the introduction of oestrous ewes 249
- Guraya, S.S., *see* Sidhu, K.S. et al.
- Gustafsson, H., *see* Albihn, A. et al.
- Gwazdauskas, F.C., *see* Holt, L.C. et al.
- Haranath, G.B., *see* Ramana, G.V. et al.
- Haresign, W., *see* Dodson, S.E. et al.
- Hein, W.R., Shelton, J.N., Simpson-Morgan, M.W. (Canberra, A.C.T., Australia), Seamark, R.F. (Woodville, S.A., Australia) and Morris, B. (Canberra, A.C.T., Australia)
 Flow and composition of ovarian lymph during pregnancy and luteolysis in the ewe 223
- Holt, L.C., Whittier, W.D., Gwazdauskas, F.C., Vinson, W.E. and Sponenberg, P.S. (Blacksburg, VA, U.S.A.)
 Involution, pathology and histology of the uterus in dairy cattle with retained placenta and uterine discharge following GnRH 11
- Hoskinson, R.M., *see* Wright, P.J. et al.
- Houghton, J.A., *see* Bird, J.M. and Houghton, J.A.
- Houvenaghel, A., *see* De Saedeleer, V. et al.
- Hughes, P.E., *see* Paterson, A.M. et al.
- Kesava Reddy, K., *see* Ramana, G.V. et al.
- Kotwica, G., *see* Ciereszko, R. et al.
- Lamming, G.E., *see* Dodson, S.E. et al.
- Larsson, K., *see* Albihn, A. et al.
- Mamboue, E., *see* Chicoteau, P. et al.
- Mariana, J.C., *see* Yenikoye, A. et al.
- Martin, M.J., *see* Flowers, B. et al.
- Masazumi, S., *see* Ashizawa, K. et al.
- McLeod, B.J., *see* Dodson, S.E. et al.

- Moallin Dahir, A., *see* Bono, G. et al.
 Molokwu, E.C.I., *see* Dawuda, P.M. et al.
 Morris, B., *see* Hein, W.R. et al.
 Murthy, A.S.N., *see* Ramana, G.V. et al.
 Narasimha Rao, A.V. and Venkatramaiah, P. (Visakhapatnam, India)
 Luteolytic effect of a low dose of cloprostenol monitored by changes in vaginal resistance
 in suboestrous buffaloes 149
 Nasir Hussain Shah, S. (Peshawar, Pakistan), Van de Wiel, D.F.M. (Zeist, The
 Netherlands), Willemse, A.H. (Utrecht, The Netherlands) and Engel, B. (Wageningen,
 The Netherlands)
 Opposite breeding seasons in dairy Zebu cows and dairy River buffaloes as assessed by
 first insemination records 25
 Nasir Hussain Shah, S. (Peshawar, Pakistan), Willemse, A.H. (Utrecht, The Netherlands),
 Van de Wiel, D.F.M. (Zeist, The Netherlands) and Engel, B. (Wageningen, The
 Netherlands)
 Influence of season and parity on several reproductive parameters in Nili-Ravi buffaloes
 in Pakistan 177
 Okauchi, K., *see* Ashizawa, K. et al.
 Okrasa, S., *see* Ciereszko, R. et al.
 Orgeur, P., *see* Gonzalez, R. et al.
 Paterson, A.M. (South Perth, W.A., Australia), Hughes, P.E. (Parkville, Vic., Australia)
 and Pearce, G.P. (Nedlands, W.A., Australia)
 The effect of season, frequency and duration of contact with boars on the attainment of
 puberty in gilts 115
 Pearce, G.P., *see* Paterson, A.M. et al.
 Peters, A.R., *see* Dodson, S.E. et al.
 Pierson, R.A., *see* Bergfelt, D.R. et al.
 Poindron, P., *see* Gonzalez, R. et al.
 Ramana, G.V., Reddy, B.B., Kesava Reddy, K., Murthy, A.S.N. and Haranath, G.B.
 (Tirupati, India)
 Effect of prostaglandins on characteristics of buffalo semen at 4°C 87
 Reddy, B.B., *see* Ramana, G.V. et al.
 Ridley, D.D., *see* Brown-Woodman, P.D.C. et al.
 Rodriguez-Martinez, H., *see* Albihn, A. et al.
 Sales, D.I., *see* Ashworth, C.J. et al.
 Seamark, R.F., *see* Hein, W.R. et al.
 Shelton, J.N., *see* Hein, W.R. et al.
 Sidhu, K.S., Sundhey, R. and Guraya, S.S. (Ludhiana, India)
 In vitro incorporation of (I-¹⁴C) acetate and (U-¹⁴C) glucose into the lipids of buffalo
 bull spermatozoa 191
 Sigoret, J.P., *see* Gonzalez, R. et al.
 Simpson-Morgan, M.W., *see* Hein, W.R. et al.
 Sponenberg, P.S., *see* Holt, L.C. et al.
 Sumar, J., *see* Bravo, P.W. and Sumar, J.
 Sundhey, R., *see* Sidhu, K.S. et al.
 Tilton, J.E., *see* Ciereszko, R. et al.
 Townson, D.H. and Ginther, O.J. (Madison, WI, U.S.A.)
 Size and shape changes in the preovulatory follicle in mares based on digital analysis of
 ultrasonic images 63
 Van de Wiel, D.F.M., *see* Nasir Hussain Shah, S. et al., pp. 25, 177
 Venier, G., *see* Fabre-Nys, C.J. and Venier, G.
 Venkatramaiah, P., *see* Narasimha Rao, A.V. and Venkatramaiah, P.

- Vincenti, L., *see* Cristofori, F. et al.
 Vinson, W.E., *see* Holt, L.C. et al.
 Wechsung, E., *see* De Saedeleer, V. et al.
 White, I.G., *see* Brown-Woodman, P.D.C. et al.
 Whittier, W.D., *see* Holt, L.C. et al.
 Willemse, A.H., *see* Nasir Hussain Shah, S. et al., pp. 25, 177
 Wilmut, I., *see* Ashworth, C.J. et al.
 Wright, P.J. (Werribee, Vic., Australia), Geytenbeek, P.E. (Adelaide, S.A., Australia),
 Clarke, I.J. (Melbourne, Vic., Australia) and Hoskinson, R.M. (Prospect, N.S.W.,
 Australia)
 The efficacy of ram introduction, GnRH administration, and immunisation against
 androstenedione and oestrone for the induction of oestrus and ovulation in
 anoestrous post-partum ewes 237
 Yenikoye, A. (Niamey, Niger), Mariana, J.C. (Nouzilly, France) and Celeux, G. (Le
 Chesnay, France)
 Follicular growth during the oestrous cycle in Peul sheep 201

SUBJECT INDEX

Alpaca	
Laparoscopic examination of ovarian activity	271
Androgens	
Endocrine changes associated with spontaneous luteolysis in sows. II. Temporal relationships among concentrations of A ₄ , T, E ₁ and E ₂ in utero-ovarian vein plasma .	53
Plasma LH, corticoid and sex steroid variations in <i>Camelus dromedarius</i> in relation to seasonal climatic changes	101
Seasonal variation in LH and testosterone responses of rams following the introduction of oestrous ewes	249
Antifertility agents	
Comparison of α -chlorohydrin and two aromatic ketal analogues in male rats	141
Breeding season	
In dairy Zebu cows and dairy River buffaloes assessed by first insemination records	25
Quantitative analysis of oestrous behaviour in two breeds of sheep	37
Buffalo	
Opposite breeding seasons in dairy Zebu cows and dairy River buffaloes assessed by first insemination records	25
Effect of prostaglandins on characteristics of semen at 4°C	87
Luteolytic effect of a low dose of cloprostenol monitored by changes in vaginal resistance in suboestrous buffaloes	149
Influence of season and parity on reproductive parameters in Nili-Ravi in Pakistan	177
In vitro incorporation of (I- ¹⁴ C) acetate and (U- ¹⁴ C) glucose into the lipids of spermatozoa	191
Calving interval	
Silent oestrus manifestation in Nigerian Bunaji Zebu cows	79
Calving season	
Influence on reproductive parameters in Nili-Ravi buffaloes in Pakistan	177
Camel	
Mating-dependent endocrinological variations in female <i>Camelus dromedarius</i>	73
Plasma LH, corticoid and sex steroid variations in <i>Camelus dromedarius</i> in relation to seasonal climatic changes	101
Cattle	
Ovarian control of gonadotrophin secretion in the prepubertal heifer	1
Involution, pathology and histology of the uterus in dairy cattle with retained placenta and uterine discharge following GnRH	11
Opposite breeding seasons in dairy Zebu cows and dairy River buffaloes assessed by first insemination records	25
Silent oestrus manifestation in Nigerian Bunaji Zebu cows	79
Oestrous behaviour of Baoule cows (<i>Bos taurus</i>) in Burkina Faso	153
Development of day 7 demi-embryos transferred into virgin and repeat-breeder heifers ...	161
Chicken	
Influence of substance P on myoelectrical activity of the infundibulum, uterus and vagina	283
Influence of substance P on in vitro motility of the oviduct and intestine	293
Stimulation of the motility and oxygen consumption of spermatozoa by bicarbonate at 40°C	301

Chromosomes	
Fertilization of zona-free hamster ova by ionophore-treated boar sperm and the condensation of sperm chromosomes	125
Cloprostenol	
Luteolytic effect of a low dose monitored by changes in vaginal resistance in suboestrous buffaloes	149
Corpus luteum	
Resurgence of the primary CL during pregnancy in the mare	261
Corticoids	
Variations in plasma in <i>Camelus dromedarius</i> in relation to seasonal climatic changes	101
<i>Corynebacterium pyogenes</i>	
Involution, pathology and histology of the uterus in dairy cattle with retained placenta and uterine discharge following GnRH	11
Electromyographic activity	
Influence of substance P on myoelectrical activity of the infundibulum, uterus and vagina in the conscious domestic hen	283
Embryo transfer	
Development of day 7 bovine demi-embryos in virgin and repeat-breeder heifers	161
Follicle	
Size and shape changes in mares based on digital analysis of ultrasonic images	63
Growth during the oestrous cycle in Peul sheep	201
Laparoscopic examination of ovarian activity in alpacas	271
FSH	
Effect of pregnant mare serum gonadotropin on FSH and estradiol secretion in the prepuberal gilt	93
GnRH	
Involution, pathology and histology of the uterus in dairy cattle with retained placenta and uterine discharge following GnRH	11
Efficacy of administration for induction of oestrus and ovulation in anoestrous post-partum ewes	237
Gonadotrophin	
Ovarian control of its secretion in the prepubertal heifer	1
Hamster	
Fertilization of zona-free hamster ova by ionophore-treated boar sperm and the condensation of sperm chromosomes	125
Horse	
Size and shape changes in the preovulatory follicle based on digital analysis of ultrasonic images	63
Resurgence of the primary corpus luteum during pregnancy	261
Immunisation against sex hormones	
Efficacy for induction of oestrus and ovulation in anoestrous post-partum ewes	237
Intestinal motility	
Influence of substance P on in vitro motility in the domestic hen	293
LH	
Mating-dependent endocrinological variations in female <i>Camelus dromedarius</i>	73
Variations in plasma in <i>Camelus dromedarius</i> in relation to seasonal climatic changes	101
Seasonal variation in LH responses of rams following introduction of oestrous ewes	249
Lipid metabolism	
In vitro incorporation of (I- ¹⁴ C) acetate and (U- ¹⁴ C) glucose into the lipids of buffalo bull spermatozoa	191

Male-female interactions	
Effect of season, frequency and duration of contact with boars on the attainment of puberty in gilts	115
Efficacy of ram introduction for the induction of oestrus and ovulation in anoestrous post-partum ewes	237
Seasonal variation in LH and testosterone responses of rams following introduction of oestrous ewes	249
Oestrogens	
Endocrine changes associated with spontaneous luteolysis in sows. II. Temporal relationships among concentrations of A ₄ , T, E ₁ and E ₂ in utero-ovarian vein plasma .	53
Mating-dependent endocrinological variations in female <i>Camelus dromedarius</i>	73
Effect of pregnant mare serum gonadotropin on estradiol secretion in the prepuberal gilt	93
Variations in plasma oestradiol in <i>Camelus dromedarius</i> in relation to seasonal climatic changes	101
Oestrous behaviour	
Quantitative analysis in two breeds of sheep	37
Of Baoule cows (<i>Bos taurus</i>) in Burkina Faso	153
Oestrus	
Silent oestrus manifestation in Nigerian Bunaji Zebu cows	79
Luteolytic effect of a low dose of cloprostenol monitored by changes in vaginal resistance in suboestrous buffaloes	149
Ovarian feedback control	
Of gonadotrophin secretion in the prepubertal heifer	1
Ovarian lymph	
Flow and composition during pregnancy and luteolysis in the ewe	223
Oviduct	
Influence of substance P on myoelectrical activity in the conscious domestic hen	283
Influence of substance P on in vitro motility in the domestic hen	293
Ovulation	
Efficacy of ram introduction, GnRH administration, and immunisation against androstenedione and oestrone for the induction of oestrus and ovulation in anoestrous post-partum ewes	237
Parity	
Influence on reproductive parameters in Nili-Ravi buffaloes in Pakistan	177
Pig	
Endocrine changes associated with spontaneous luteolysis. II. Temporal relationships among the concentrations of A ₄ , T, E ₁ and E ₂ measured in utero-ovarian vein plasma	53
Effect of pregnant mare serum gonadotropin on follicle stimulating hormone and estradiol secretion in the prepuberal gilt	93
Effect of season, frequency and duration of contact with boars on the attainment of puberty in gilts	115
Fertilization of zona-free hamster ova by ionophore-treated boar sperm and the condensation of sperm chromosomes	125
Pixel analysis	
Size and shape changes in the preovulatory follicle in mares based on digital analysis of ultrasonic images	63
PMSG	
Effect on follicle stimulating hormone and estradiol secretion in the prepuberal gilt	93
Progesterone	
Endocrine changes associated with spontaneous luteolysis in sows. II. Temporal relationships among concentrations of A ₄ , T, E ₁ and E ₂ in utero-ovarian vein plasma .	53

Mating-dependent endocrinological variations in female <i>Camelus dromedarius</i>	73
Prostaglandins	
Effect on characteristics of buffalo semen at 4°C	87
Luteolytic effect of a low dose of cloprostenol monitored by changes in vaginal resistance in suboestrous buffaloes	149
Puberty	
Effect of season, frequency and duration of contact with boars on attainment of puberty in gilts	115
Rat	
Comparison of α -chlorohydrin and two aromatic ketal analogues as antifertility agents in males	141
Retained placenta	
Involution, pathology and histology of the uterus in dairy cattle with retained placenta following GnRH	11
Seasonal climatic changes	
Related to plasma LH, corticoid and sex steroid variations in <i>Camelus dromedarius</i>	101
Sheep	
Quantitative analysis of oestrous behaviour through the breeding season in two breeds ...	37
Follicular growth during the oestrous cycle in Peul sheep	201
Effect of the stage of the oestrous cycle and the frequency of sample collection on the composition of uterine fluids	213
Flow and composition of ovarian lymph during pregnancy and luteolysis	223
Efficacy of ram introduction, GnRH administration, and immunisation against androstenedione and oestrone for the induction of oestrus and ovulation in anoestrous post-partum ewes	237
Seasonal variation in LH and testosterone responses of rams following the introduction of oestrous ewes	249
Spermatozoa	
Effect of prostaglandins on characteristics of buffalo semen at 4°C	87
Fertilization of zona-free hamster ova by ionophore-treated boar sperm and the condensation of sperm chromosomes	125
In vitro incorporation of (I- ¹⁴ C) acetate and (U- ¹⁴ C) glucose into the lipids of buffalo bull spermatozoa	191
Stimulation of the motility and oxygen consumption of fowl spermatozoa by bicarbonate at 40°C	301
Substance P	
Influence on myoelectrical activity of the infundibulum, uterus and vagina in the conscious domestic hen	283
Influence on in vitro motility of the oviduct and intestine in the domestic hen	293
Ultrasonography	
Size and shape changes in the preovulatory follicle in mares based on digital analysis of ultrasonic images	63
Uterine fluids	
Effect of the stage of the oestrous cycle and the frequency of sample collection on the composition in sheep	213